PA007JB power analyzer is perfect solution for the control and analyzing of the single and three phase LV and MV energy distribution systems.

Thanks to its wide range of measurements in all four quadrants, the advanced multimeter is able to detect problems in your electrical which otherwise could put the quality and availability of electricity at risk.

PA007JB monitors and records, thanks to internal 8 MB memory, all network parameters you may need.

The large color LCD display allows to control the actual waveshapes (oscillograms) of all measured voltages and currents, phasor diagram and harmonic graphic of THDi and THDu, directly from the device, using the capacitive buttons.

* **For special applications:** to meet customer needs, the PA007JB is equipped with **two extension interfaces for connecting modules and expanding functions of the device**.

Main Features

Power Quality

• Total Harmonic Distortion (THDi & THDu)
• Harmonics up to 63rd order
• Crest factor and K factor
• Sequence component
• Network unbalance
• Waveform display
• Phasor diagram
• Transient
• Flicker

Measuring

• Fundamental V / A / P / Q / S
• Max. / Min. Value
• Load profile
• Demand

Monitoring

• Real time monitoring data check on website
• SOE record (30days)
• Alarm email sending
• Configuration

Energy Metering

• Four-quadrant reactive energy
• Fundamental energy
• Bi-directional energy
• Tariff energy

Data Log

• Max. / Min. value record
• Demand record
• Off-limit record
• SOE record

General specifications

• Standards: IEC 61557-12
• Supply voltage: 80 ÷ 270 Vac/dc
• Working frequency: 50/60 Hz
• Measured Voltage: 180 ÷ 250Vac (L-N) / 312 ÷ 433Vac (L-L)
• Current Inputs: 1 ÷ 5 A AC
• Internal memory: 8 MB for recording
• Communication: RS485 port, Modbus-RTU, 2-wire, up to 38,4 kbps
• Digital input: 2 x AC220V input
• Relay output: 2 x Contact rated at AC 250V/5A or DC 30V/5A
• Energy pulse output: 1 photocouple outputs, pulse width (80±20%) ms
• Dimension: 96 × 55 x 96 mm (W x D x H)
• Installation cutout: 91 x 91 mm
• Protection rating: IP65 (front panel), IP20 (back panel)
• Operating temperature: -20 ºC +60 ºC

* Expanding Modules

• DM1: 2 AC digital input
• DM2: 4 digital inputs
• DM3: 2 relay outputs
• DM4: 2 analog inputs
• DM5: 2 analog inputs
• DM6: 2 analog outputs
• DM7: RJ45, Modbus/TCP
• DM8: DB9, Profibus-DP
• DM9: WIFI: Modbus/TCP
• DM10: GPRS: Modbus/TCP, SMS
• DM11: RS485, Modbus-RTU
• DM12: M-Bus communication
• DM13: BACnet/MSTP communication
• DM14: BACnet/IP communication
• DM15: RS232, Modbus-RTU
• DM18: Web real time monitoring